

DESCRIPTION

PMI MODEL P12T-0R126D5-60-T-292FF IS A HIGH SPEED, SINGLE POLE, TWELVE THROW, ABSORPTIVE SWITCH OPERATING OVER THE 0.1 TO 26.5 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF SWITCHING WITHIN 100 ns WHILE MAINTAINING 60 dB OF ISOLATION. THE HOUSING MEASURES 6.00" x 2.00" x 0.40" AND IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/22/20	

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.1 TO 26.5 GHz
- ISOLATION: ----- 60 dB MINIMUM
- INSERTION LOSS: ----- 10.0 dB MAXIMUM
- VSWR (IN/OUT): ----- 2.0:1 MAXIMUM
- OPERATING INPUT POWER: --- +20 dBm CW
- SWITCHING SPEED: ----- 100 ns MAXIMUM
- DC VOLTAGE AND CURRENT: - +5 VDC @ 600 mA
-5 VDC @ 100 mA
- CONTROL SIGNAL: ----- 4-BIT DECODED TTL (SEE TABLE)
- CONNECTORS: ----- RF: SMA FEMALE
CONTROL: SOLDER PINS
- SIZE: ----- 6.00" x 2.00" x 0.40"
152.4 mm x 50.8 mm x 10.16 mm
EXCLUDING CONNECTORS
- FINISH: ----- PAINTED GRAY

LOGIC TABLE				
E4	E3	E2	E1	CONNECTOR
0	0	0	0	J2 ON
0	0	0	1	J3 ON
0	0	1	0	J4 ON
0	0	1	1	J5 ON
0	1	0	0	J6 ON
0	1	0	1	J7 ON
0	1	1	0	J8 ON
0	1	1	1	J9 ON
1	0	0	0	J10 ON
1	0	0	1	J11 ON
1	0	1	0	J12 ON
1	0	1	1	J13 ON

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -54 °C TO +95 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ±0.508 [0.020]
X.XXX ±0.254 [0.010]

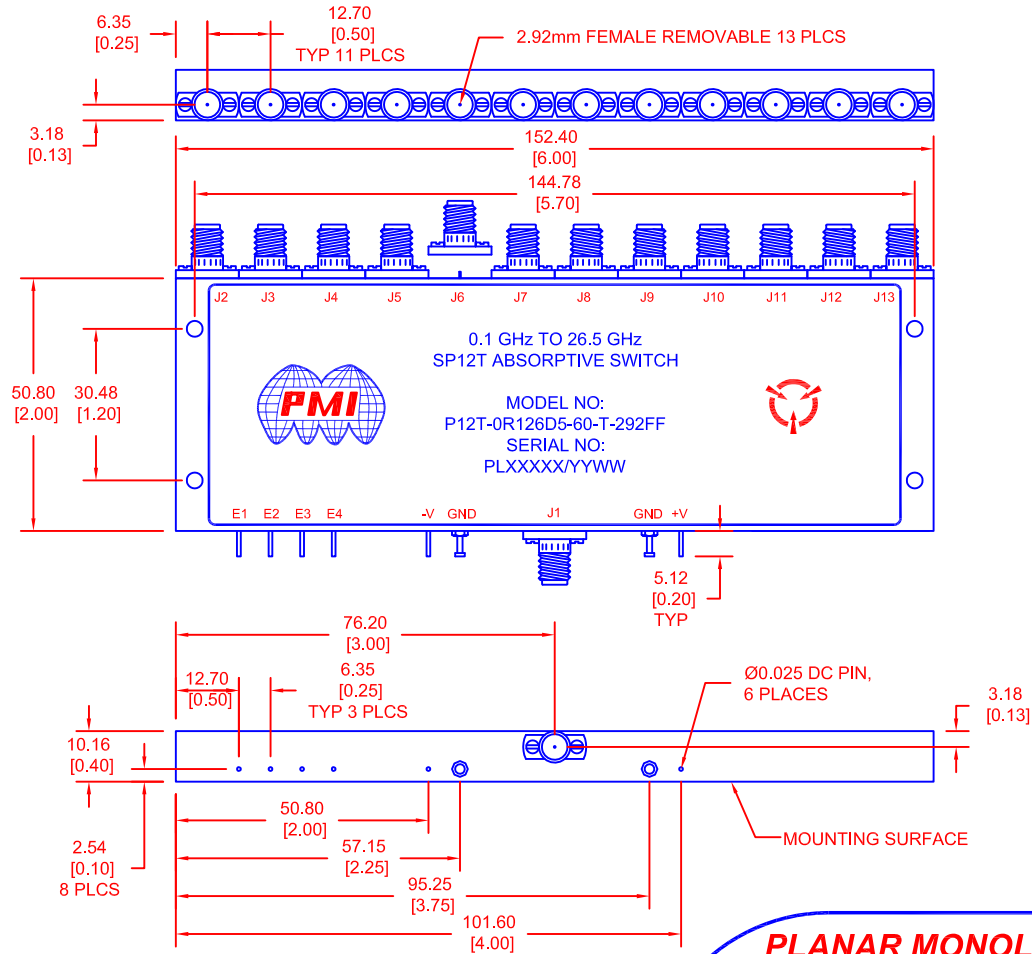
PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>JPH</i>		9/22/20	PRODUCT FEATURE P12T-0R126D5-60-T-292FF		
CHECKED			0.1 GHz to 26.5 GHz SP12T Absorptive Pin Diode Switch		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 2	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: (301)-662-5019, FAX: (301)-662-1731
 WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN		9/22/20	PRODUCT FEATURE		
CHECKED			P12T-0R126D5-60-T-292FF		
ISSUED			0.1 GHz to 26.5 GHz SP12T Absorptive Pin Diode Switch		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0		PRELIMINARY	-	
SCALE	N:S		SHEET	2 OF 2	

ALL DIMENSIONS ARE IN mm [INCH]
 TOLERANCES:
 X.XX ±0.508 [0.020]
 X.XXX ±0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY